

**CALENDAR ITEM
INFORMATIONAL**

91

A 70

06/28/16

W 16001

W 10442

S 33, 34

R. B. Greenwood

**STAFF REPORT ON THE
MONITORING OF POSSIBLE SUBSIDENCE,
LONG BEACH UNIT, WILMINGTON OIL FIELD,
LOS ANGELES COUNTY**

BACKGROUND:

The City of Long Beach (City) conducts surveys twice each year, usually in May and November, to monitor changes in ground elevation of the Long Beach tidelands and adjacent areas that may occur as a result of oil extraction from the Wilmington Oil Field. The Commission staff reviews and interprets the benchmark elevation data from these semi-annual surveys. This report covers benchmarks surveyed in November 2015 and compares elevation changes that have occurred since completion of the previous survey in May 2015.

The subsidence monitoring is authorized by Chapter 138, Statutes of 1964, First Extraordinary Session, and supports the California State Lands Commission's Strategic Plan, Strategy 1.5 - Ensuring the highest level of environmental protection and public safety in the production and transportation of oil and gas resources.

STAFF ANALYSIS:

Based on the data collected by the City, elevations throughout the Alamitos Bay, Naples, Central City, and Civic Center areas were stable with no indication of decline. The offshore islands were also stable except for a small area of increase adjacent to Island Grissom, likely due to increased water injection in the area. The eastern Harbor District elevations were stable during the six-month study period. A portion of the western Harbor District experienced an elevation decline of 0.8 inch and part of the northern Harbor District declined 0.8 inch. Declines are not expected to continue as both these small areas are being closely monitored and remediated by the City.

The results of the next regular elevation survey, to be conducted in November 2016, will be reported to the Commission after the data have been received and analyzed by the Commission's staff.

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This action is consistent with Strategy 1.5 of the Commission's Strategic Plan to ensure the highest level of environmental protection and public safety in the production and transportation of oil and gas resources.

EXHIBIT:

A. Location Map

EXHIBIT A

W 16001
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